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List of Publications by Year in descending order

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36
papers

747
citations

566801

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37
all docs

37
docs citations

37
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	A Ventilator Mode Cannot Set Itself, Nor Can It Be Solely Responsible for Outcomes*. Critical Care Medicine, 2022, 50, 695-699.	0.4	2
2	Assessment of Heterogeneity in Lung Structure and Function During Mechanical Ventilation: A Review of Methodologies. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2022, , .	0.3	2
3	Nano-chemically Modified Tetracycline-3 (nCMT-3) Attenuates Acute Lung Injury via Blocking sTREM-1 Release and NLRP3 Inflammasome Activation. Shock, 2022, 57, 749-758.	1.0	1
4	Mechanical Ventilation in Pediatric and Neonatal Patients. Frontiers in Physiology, 2021, 12, 805620.	1.3	2
5	Prevention and treatment of acute lung injury with time-controlled adaptive ventilation: physiologically informed modification of airway pressure release ventilation. Annals of Intensive Care, 2020, 10, 3.	2.2	53
6	A Physiologically Informed Strategy to Effectively Open, Stabilize, and Protect the Acutely Injured Lung. Frontiers in Physiology, 2020, 11, 227.	1.3	32
7	Mechanical Ventilation Lessons Learned From Alveolar Micromechanics. Frontiers in Physiology, 2020, 11, 233.	1.3	9
8	The time-controlled adaptive ventilation protocol: mechanistic approach to reducing ventilator-induced lung injury. European Respiratory Review, 2019, 28, 180126.	3.0	21
9	Cervical Lymph Node Biopsy. , 2019, , 379-380.		0
10	Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. Journal of Applied Physiology, 2018, 124, 1214-1218.	1.2	12
11	Sustained Elevation in Monocyte Levels in Diabetic Patients after Infra- Inguinal Revascularization. Journal of Vascular and Endovascular Surgery, 2018, 01, .	0.1	0
12	Preemptive mechanical ventilation based on dynamic physiology in the alveolar microenvironment: Novel considerations of time-dependent properties of the respiratory system. Journal of Trauma and Acute Care Surgery, 2018, 85, 1081-1091.	1.1	13
13	Excessive Extracellular ATP Desensitizes P2Y2 and P2X4 ATP Receptors Provoking Surfactant Impairment Ending in Ventilation-Induced Lung Injury. International Journal of Molecular Sciences, 2018, 19, 1185.	1.8	22
14	Last Word on Viewpoint: Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. Journal of Applied Physiology, 2018, 124, 1220-1221.	1.2	2
15	Enteral administration of bacteria fermented formula in newborn piglets: A high fidelity model for necrotizing enterocolitis (NEC). PLoS ONE, 2018, 13, e0201172.	1.1	19
16	Reply to Drs. Monjezi and Jamaati: Dynamic alveolar mechanics are more than a soap bubble on a capillary tube. Journal of Applied Physiology, 2018, 124, 525-525.	1.2	0
17	Acute lung injury: how to stabilize a broken lung. Critical Care, 2018, 22, 136.	2.5	53
18	The role of high airway pressure and dynamic strain on ventilator-induced lung injury in a heterogeneous acute lung injury model. Intensive Care Medicine Experimental, 2017, 5, 25.	0.9	38

#	ARTICLE	IF	CITATIONS
19	Physiology in Medicine: Understanding dynamic alveolar physiology to minimize ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2017, 122, 1516-1522.	1.2	37
20	Determining the light scattering and absorption parameters from forward-directed flux measurements in cardiac tissue. <i>Journal of Biomedical Optics</i> , 2017, 22, 076009.	1.4	13
21	Limiting ventilator-associated lung injury in a preterm porcine neonatal model. <i>Journal of Pediatric Surgery</i> , 2017, 52, 50-55.	0.8	19
22	The 30-year evolution of airway pressure release ventilation (APRV). <i>Intensive Care Medicine Experimental</i> , 2016, 4, 11.	0.9	81
23	Failure to Disclose Conflicts of Interest. <i>JAMA Surgery</i> , 2016, 151, 1190.	2.2	0
24	1008: LOW TIDAL VOLUME DOES NOT ALWAYS REDUCE LUNG INJURY. <i>Critical Care Medicine</i> , 2016, 44, 328-328.	0.4	0
25	Effect of Airway Pressure Release Ventilation on Dynamic Alveolar Heterogeneity. <i>JAMA Surgery</i> , 2016, 151, 64.	2.2	49
26	Preemptive mechanical ventilation can block progressive acute lung injury. <i>World Journal of Critical Care Medicine</i> , 2016, 5, 74.	0.8	10
27	The effects of airway pressure release ventilation on respiratory mechanics in extrapulmonary lung injury. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 35.	0.9	42
28	Alveolar instability (atelectrauma) is not identified by arterial oxygenation predisposing the development of an occult ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 54.	0.9	19
29	693. <i>Critical Care Medicine</i> , 2015, 43, 175.	0.4	0
30	Predicting the response of the injured lung to the mechanical breath profile. <i>Journal of Applied Physiology</i> , 2015, 118, 932-940.	1.2	40
31	Electroporation-Mediated Gene Delivery of Na ⁺ ,K ⁺ -ATPase, and ENaC Subunits to the Lung Attenuates Acute Respiratory Distress Syndrome in a Two-Hit Porcine Model. <i>Shock</i> , 2015, 43, 16-23.	1.0	25
32	Alveolar Overdistension Does Not Occur Even at Very High Airway Pressure. <i>FASEB Journal</i> , 2015, 29, 1016.1.	0.2	1
33	Mechanical Breath Profile of Airway Pressure Release Ventilation. <i>JAMA Surgery</i> , 2014, 149, 1138.	2.2	72
34	Airway Pressure Release Ventilation Reduces Conducting Airway Micro-Strain in Lung Injury. <i>Journal of the American College of Surgeons</i> , 2014, 219, 968-976.	0.2	58
35	712. <i>Critical Care Medicine</i> , 2014, 42, A1531.	0.4	0
36	Monocyte Levels Differ Between Diabetic and Non-Diabetic Patients With Peripheral Arterial Disease After Lower Extremity Revascularization. <i>Journal of Surgical Research</i> , 2013, 179, 337.	0.8	0